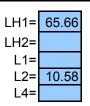
X alignment

Enter Values for Equations found in Chapter 1610 of the Design Manual and field conditions encountered.





$$X2 = \frac{LH2 - (L5+Y)}{(LH2/LR)}$$

$$X1 = \frac{65.66 - (10.58 +)}{(65.66/110)}$$

Adjacent-Side Hazard Barrier Parallel to Roadway

Opposite-Side Hazard Barrier Parallel to Roadway

$$X1 = \frac{LH1 - (L2 + Y)}{(1/F) + (LH1/LR)}$$

$$X2 = \frac{LH2 - (L5 + Y)}{(1/F) + (LH2/LR)}$$

Adjacent-Side Hazard

Opposite-Side Hazard

Barrier Flare Begins at Hazard

Barrier Flare Begins at Hazard

$$X1 = \frac{(LH1+L1/F) - (L2+Y)}{(1/F) + (LH1/LR)}$$

$$X2 = \frac{(LH2+L4/F) - (L5+Y)}{(1/F)+(LH2/LR)}$$

$$X1 = \frac{(65.66+/)-(10.58+)}{(1/)+(65.66/110)}$$

Adjacent-Side Hazard
Barrier Flare Begins Before Hazard

Opposite-Side Hazard Barrier Flare Begins Before Hazard

LOCATION: Power pole right where X on ramp starts.

ALIGNMENT	х	LH1=	65.66	L5=	
STATION	298+00.94	LH2=		Y=	
X1=	LH1 -(L2+Y) (LH1/LR)	L1= L2= L4=	10.58	LR= F=	110
X1=	65.66-(10.58+) (65.66/110)				
X1=	55.08 0.596909091				
X1=	92.28				

LOCATION: Existing 2:1 slope on Rt of M line before X line begins

2:1 slope begins 10-ft off of edge of traveled way

10-ft is the clear zone requirement for the posted speed of 35 mph

Guardrail not warranted for the slope

Only for the power pole above